

Work Order ID 99327

\*99327\*

Page 1

April-05-13 1:17:44 PM

Item ID: D3021-041

Accept

\*N900040100\*

Setup

Start

\*NS1\*

Revision ID:

Item Name: Tube Assembly

Stop

\*NS2\*

Start Date: 4/04/13 Start Qty: 1.00

\*1\*

Cust Item ID:

Required Date: 4/19/13 Req'd Qty: 1.00

\*1\*

Customer:

Reference:

Approvals:

Process Plan: MLJ

Date: 13-04-08

Tooling: \_\_\_\_\_

Date: \_\_\_\_\_

Run

Start

\*NR1\*

QC: \_\_\_\_\_

Date: \_\_\_\_\_

SPC (Y/N):

Date: \_\_\_\_\_

Stop

\*NR2\*

| Sequence ID/<br>Work Center ID | Operation<br>Description                                      | Set Up/<br>Run Hours | Tool ID | Tool # | Plan<br>Code | Accept<br>Qty | Reject<br>Qty | Reject<br>Number | Insp.<br>Stamp |
|--------------------------------|---|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
| Draw Nbr                       | Revision Nbr  |                      |         |        |              |               |               |                  |                |
| 100                            |   | 0.00                 |         |        |              |               |               |                  |                |
| *100*                          | Large Fab   |                      |         |        |              |               |               |                  |                |
| Large Fab                      | Memo  | 0.00                 |         |        |              |               |               |                  |                |
| Large Fab                      | 1-Cut tube as per Dwg D3021                                   |                      |         |        |              |               |               |                  |                |
|                                | 2-Drill tube as per Dwg D3021 using DT8622                    |                      |         |        |              |               |               |                  |                |
|                                | 3-Deburr  |                      |         |        |              |               |               |                  |                |
|                                | 4-Weld as per Dwg D3021 QSI004<br>A/R 4130 Rod Batch: M118875 |                      |         |        |              |               |               |                  |                |
| 110                            | QC9- Inspect visual per QSI004- Fusion Welds                  | 0.00                 |         |        |              |               |               |                  |                |
| *110*                          | Memo  | 0.00                 |         |        |              |               |               |                  |                |
| QC                             |   |                      |         |        |              |               |               |                  |                |
| Quality Control                |   |                      |         |        |              |               |               |                  |                |

① 13-04-24

DAS  
09  
089

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

NCR: Yes / No

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| Work Order: _____   |      |      | DISPOSITION                                |  |                                    | AGAINST DEPARTMENT/PROCESS                   |                                      |  |             |              |              |  |  |  |  |   |  |
|---|------|------|--|--|------------------------------------|--|--------------------------------------|--|-------------|--------------|--------------|--|--|--|--|---|--|
|   |      |      | Rework <input type="checkbox"/>            | Skid-tube <input type="checkbox"/>   | Crosstube <input type="checkbox"/> | Water Jet <input type="checkbox"/>           | Engineering <input type="checkbox"/> |  |             |              |              |  |  |  |  |   |  |
|   |      |      | Scrap <input type="checkbox"/>             | Machining <input type="checkbox"/>   | Small Fab <input type="checkbox"/> | Prod. Eng. Coor. <input type="checkbox"/>    | Quality <input type="checkbox"/>     |  |             |              |              |  |  |  |  |   |  |
|   |      |      | Use-as-is <input type="checkbox"/>         | Thermoforming <input type="checkbox"/>   | Finishing <input type="checkbox"/> | Rec/Store/Packaging <input type="checkbox"/> | Other <input type="checkbox"/>       |  |             |              |              |  |  |  |  |   |  |
|   |      |      | Work Order Update <input type="checkbox"/> | Large Fab <input type="checkbox"/>   | Composite <input type="checkbox"/> | Supplier <input type="checkbox"/>            |                                      |  |             |              |              |  |  |  |  |   |  |
| Root Cause  | Date | Step | Qty  | Description of work order update or Non-conformance  |                                    | Initial Chief Eng                            | Action Description                   |  | Sign & Date | Verification | QC Inspector |  |  |  |  |   |  |
| Doc/Data  |      |      |  |  |                                    |  |                                      |  |             |              |              |  |  |  |  |   |  |
| Equip/Tooling   |      |      |  |  |                                    |  |                                      |  |             |              |              |  |  |  |  |   |  |
| Operator  |      |      |  |  |                                    |  |                                      |  |             |              |              |  |  |  |  |   |  |
| Material  |      |      |  |  |                                    |  |                                      |  |             |              |              |  |  |  |  |   |  |
| Setup   |      |      |  |  |                                    |  |                                      |  |             |              |              |  |  |  |  |   |  |
| Other   |      |      |  |  |                                    |  |                                      |  |             |              |              |  |  |  |  |   |  |
| Process   |      |      |  |  |                                    |  |                                      |  |             |              |              |  |  |  |  |   |  |
| Supplier  |      |      |  |  |                                    |  |                                      |  |             |              |              |  |  |  |  |   |  |
| Training  |      |      |  |  |                                    |  |                                      |  |             |              |              |  |  |  |  |   |  |
| Unapproved  |      |      |  |  |                                    |  |                                      |  |             |              |              |  |  |  |  |   |  |
| FAULT CATEGORY  |      |      |  |  |                                    |  |                                      |  |             |              |              |  |  |  |  |   |  |
| Landing Gear  |      |      |  | General  |                                    |  |                                      |  |             |              |              |  |  |  |  |   |  |
| <input type="checkbox"/> Bending<br><input type="checkbox"/> Centre Not Concentric to O/S<br><input type="checkbox"/> Cracks<br><input type="checkbox"/> Crushed/Crimped.<br><input type="checkbox"/> Cuffs<br><input type="checkbox"/> Heat Treat<br><input type="checkbox"/> Inspection Strip in Tube<br><input type="checkbox"/> Ripples in Bend<br><input type="checkbox"/> Torque Waves in Extrusion<br><input type="checkbox"/> Turning Sequence<br><input type="checkbox"/> Wave/Twist in Tube |      |      |  | <input type="checkbox"/> Bend<br><input type="checkbox"/> BOM/Route<br><input type="checkbox"/> Broken/Damaged<br><input type="checkbox"/> Burrs<br><input type="checkbox"/> Contamination<br><input type="checkbox"/> Countersink<br><input type="checkbox"/> Cut Too Short<br><input type="checkbox"/> Drill Holes<br><input type="checkbox"/> Drawing<br><input type="checkbox"/> Finish<br><input type="checkbox"/> Folio<br><input type="checkbox"/> Grain<br><input type="checkbox"/> Hardware<br><input type="checkbox"/> Inspection Incomplete<br><input type="checkbox"/> Instructions Incomplete/Unclear<br><input type="checkbox"/> Maintenance<br><input type="checkbox"/> Mislabeled<br><input type="checkbox"/> Misread<br><input type="checkbox"/> Offset<br><input type="checkbox"/> Out of Calibration<br><input type="checkbox"/> Out of Sequence<br><input type="checkbox"/> Outside Dimensions |                                    |  |                                      |  |             |              |              | <input type="checkbox"/> Ovalized<br><input type="checkbox"/> Over/Under tolerance<br><input type="checkbox"/> Part Incorrect<br><input type="checkbox"/> Part Lost/Missing<br><input type="checkbox"/> Part Moved<br><input type="checkbox"/> Positioned Wrong<br><input type="checkbox"/> Power Loss/Surge<br><input type="checkbox"/> Other |  |  |  | <input type="checkbox"/> Pressure/Forced<br><input type="checkbox"/> Temperature/Cure<br><input type="checkbox"/> Weld<br><input type="checkbox"/> Wrong Stock Pulled |  |

Work Order ID 99327

\*99327\*

Page 2

April-05-13 1:17:44 PM

Item ID: D3021-041

Accept

\*N900040100\*

Setup Start

\*NS1\*

Revision ID:

Item Name: Tube Assembly

Stop

\*NS2\*

Start Date: 4/04/13 Start Qty: 1.00

\*1\*

Cust Item ID:

Required Date: 4/19/13 Req'd Qty: 1.00

\*1\*

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start

\*NR1\*

QC:

Date:

SPC (Y/N):

Date:

Stop

\*NR2\*

Sequence ID/  
Work Center ID

Operation  
Description

120

QC5- Inspect part completeness to step on W/O

\*120\*

QC

Quality Control

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

0.00

① 13-04-24

DA  
09  
08

130

Grey Sandtex(Ref.4.3.5.6) per QSI005 4.3

0.00

\*130\*

Powdercoat

Powder Coating

Memo

1-30 00F  
START TIME: 32.00F  
OVEN TEMPERATURE: FINISH TIME:

2-05

140

QC3- Inspect Part Finish

0.00

\*140\*

QC

Quality Control

Memo

0.00

1x13-04-24

1x13-04-26

NCR: Yes / No

DQA: Date:

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| Work Order: _____<br>Part No. _____<br>NCR No. _____  |                          |      |      | DISPOSITION  |  | AGAINST DEPARTMENT/PROCESS  |  |  |  |  |              |              |
|---|--------------------------|------|------|--|--|---|--|--|--|--|--------------|--------------|
|   |                          |      |      | Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Work Order Update <input type="checkbox"/>  | Skid-tube <input type="checkbox"/><br>Machining <input type="checkbox"/><br>Thermoforming <input type="checkbox"/><br>Large Fab <input type="checkbox"/> | Crosstube <input type="checkbox"/><br>Small Fab <input type="checkbox"/><br>Finishing <input type="checkbox"/><br>Composite <input type="checkbox"/>  | Water Jet <input type="checkbox"/><br>Prod. Eng. Coor. <input type="checkbox"/><br>Rec/Store/Packaging <input type="checkbox"/><br>Supplier <input type="checkbox"/> | Engineering <input type="checkbox"/><br>Quality <input type="checkbox"/><br>Other <input type="checkbox"/>   |  |  |              |              |
| Root Cause  |                          | Date | Step | Qty  | Description of work order update or Non-conformance  |   | Initial Chief Eng  | Action Description   |  | Sign & Date  | Verification | QC Inspector |
| Doc/Data  | <input type="checkbox"/> |      |      |  |  |   |  |  |  |  |              |              |
| Equip/Tooling   | <input type="checkbox"/> |      |      |  |  |   |  |  |  |  |              |              |
| Operator  | <input type="checkbox"/> |      |      |  |  |   |  |  |  |  |              |              |
| Material  | <input type="checkbox"/> |      |      |  |  |   |  |  |  |  |              |              |
| Setup   | <input type="checkbox"/> |      |      |  |  |   |  |  |  |  |              |              |
| Other   | <input type="checkbox"/> |      |      |  |  |   |  |  |  |  |              |              |
| Process   | <input type="checkbox"/> |      |      |  |  |   |  |  |  |  |              |              |
| Supplier  | <input type="checkbox"/> |      |      |  |  |   |  |  |  |  |              |              |
| Training  | <input type="checkbox"/> |      |      |  |  |   |  |  |  |  |              |              |
| Unapproved  | <input type="checkbox"/> |      |      |  |  |   |  |  |  |  |              |              |
| FAULT CATEGORY  |                          |      |      |  |  |   |  |  |  |  |              |              |
| Landing Gear<br><input type="checkbox"/> Bending<br><input type="checkbox"/> Centre Not Concentric to O/S<br><input type="checkbox"/> Cracks<br><input type="checkbox"/> Crushed/Crimped.<br><input type="checkbox"/> Cuffs<br><input type="checkbox"/> Heat Treat<br><input type="checkbox"/> Inspection Strip in Tube<br><input type="checkbox"/> Ripples in Bend<br><input type="checkbox"/> Torque Waves in Extrusion<br><input type="checkbox"/> Turning Sequence<br><input type="checkbox"/> Wave/Twist in Tube |                          |      |      | General<br><input type="checkbox"/> Bend<br><input type="checkbox"/> BOM/Route<br><input type="checkbox"/> Broken/Damaged<br><input type="checkbox"/> Burrs<br><input type="checkbox"/> Contamination<br><input type="checkbox"/> Countersink<br><input type="checkbox"/> Cut Too Short<br><input type="checkbox"/> Drill Holes<br><input type="checkbox"/> Drawing<br><input type="checkbox"/> Finish<br><input type="checkbox"/> Folio |  | <input type="checkbox"/> Grain<br><input type="checkbox"/> Hardware<br><input type="checkbox"/> Inspection Incomplete<br><input type="checkbox"/> Instructions Incomplete/Unclear<br><input type="checkbox"/> Maintenance<br><input type="checkbox"/> Mislabeled<br><input type="checkbox"/> Misread<br><input type="checkbox"/> Offset<br><input type="checkbox"/> Out of Calibration<br><input type="checkbox"/> Out of Sequence<br><input type="checkbox"/> Outside Dimensions |  | <input type="checkbox"/> Ovalized<br><input type="checkbox"/> Over/Under tolerance<br><input type="checkbox"/> Part Incorrect<br><input type="checkbox"/> Part Lost/Missing<br><input type="checkbox"/> Part Moved<br><input type="checkbox"/> Positioned Wrong<br><input type="checkbox"/> Power Loss/Surge |  | Pressure/Forced<br>Temperature/Cure<br><input type="checkbox"/> Weld<br>Wrong Stock Pulled<br><br><input type="checkbox"/> Other |              |              |

**Work Order ID 99327****\*99327\***

Page 3

April-05-13 1:17:44 PM

Item ID: D3021-041

Accept

**\*N900040100\***

Setup

Start

**\*NS1\***

Revision ID:

Item Name: Tube Assembly

Stop

**\*NS2\***

Start Date: 4/04/13

Start Qty: 1.00

**\*1\***

Cust Item ID:

Required Date: 4/19/13

Req'd Qty: 1.00

**\*1\***

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run

Start

**\*NR1\***

QC:

Date:

SPC (Y/N):

Date:

Stop

**\*NR2\***Sequence ID/  
Work Center IDOperation  
Description

150

Identify as per dwg &amp; Stock Location:

*G A***\*150\***

Packaging

Packaging

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

0.00

*12**EF 13/04/24*

160

QC21- Final Inspection - Work Order Release

0.00

**\*160\***

QC

Quality Control

Memo

0.00

*13/04/25**013-04-25*

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

|  |  |      |      |   |  |  |  |  |             |              |              |
|--|--|------|------|---|--|--|--|--|-------------|--------------|--------------|
| Work Order: _____<br>Part No. _____<br>NCR No. _____ |  |      |      | DISPOSITION   |  | AGAINST DEPARTMENT/PROCESS   |  |  |             |              |              |
|  |  |      |      | <input type="checkbox"/> Rework<br><input type="checkbox"/> Scrap<br><input type="checkbox"/> Use-as-is<br><input type="checkbox"/> Work Order Update | <input type="checkbox"/> Skid-tube<br><input type="checkbox"/> Machining<br><input type="checkbox"/> Thermoforming<br><input type="checkbox"/> Large Fab | <input type="checkbox"/> Crosstube<br><input type="checkbox"/> Small Fab<br><input type="checkbox"/> Finishing<br><input type="checkbox"/> Composite | <input type="checkbox"/> Water Jet<br><input type="checkbox"/> Prod. Eng. Coor.<br><input type="checkbox"/> Rec/Store/Packaging<br><input type="checkbox"/> Supplier | <input type="checkbox"/> Engineering<br><input type="checkbox"/> Quality<br><input type="checkbox"/> Other |             |              |              |
| Root Cause   |  | Date | Step | Qty   | Description of work order update or Non-conformance  |  | Initial Chief Eng  | Action Description   | Sign & Date | Verification | QC Inspector |
| Doc/Data   |  |      |      |   |  |  |  |  |             |              |              |
| Equip/Tooling  |  |      |      |   |  |  |  |  |             |              |              |
| Operator   |  |      |      |   |  |  |  |  |             |              |              |
| Material   |  |      |      |   |  |  |  |  |             |              |              |
| Setup  |  |      |      |   |  |  |  |  |             |              |              |
| Other  |  |      |      |   |  |  |  |  |             |              |              |
| Process  |  |      |      |   |  |  |  |  |             |              |              |
| Supplier   |  |      |      |   |  |  |  |  |             |              |              |
| Training   |  |      |      |   |  |  |  |  |             |              |              |
| Unapproved   |  |      |      |   |  |  |  |  |             |              |              |

## Picklist Print

April-05-13 1:17:44 PM

Page 1

Work Order ID: 99327

**Parent Item:** D3021-041

**Start Date:** 4/04/13

**Required Date:** 4/19/13

**Parent Item Name:** Tube Assembly

Start Qty: 1.00

**Required Qty:** 1.00

**Comments:** IPP 01.10.23 New Issue SM  
DD VERF:JLM

IPP REV:B 12.06.26 DWG PB2

NCR: Yes / No

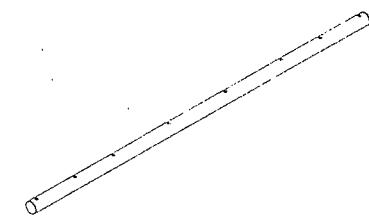
DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| Work Order: _____  |      |      | DISPOSITION                                       |   |  | AGAINST DEPARTMENT/PROCESS                                       |                                 |   |             |              |              |  |  |   |  |
|--|------|------|---|---|--|--|---------------------------------|---|-------------|--------------|--------------|--|--|---|--|
|  |      |      | Rework<br>Scrap<br>Use-as-is<br>Work Order Update | Skid-tube<br>Machining<br>Thermoforming<br>Large Fab  | Crosstube<br>Small Fab<br>Finishing<br>Composite | Water Jet<br>Prod. Eng. Coor.<br>Rec/Store/Packaging<br>Supplier | Engineering<br>Quality<br>Other |   |             |              |              |  |  |   |  |
| Root Cause   | Date | Step | Qty   | Description of work order update or Non-conformance   |  | Initial Chief Eng  | Action Description              |   | Sign & Date | Verification | QC Inspector |  |  |   |  |
| Doc/Data   |      |      |   |   |  |  |                                 |   |             |              |              |  |  |   |  |
| Equip/Tooling  |      |      |   |   |  |  |                                 |   |             |              |              |  |  |   |  |
| Operator   |      |      |   |   |  |  |                                 |   |             |              |              |  |  |   |  |
| Material   |      |      |   |   |  |  |                                 |   |             |              |              |  |  |   |  |
| Setup  |      |      |   |   |  |  |                                 |   |             |              |              |  |  |   |  |
| Other  |      |      |   |   |  |  |                                 |   |             |              |              |  |  |   |  |
| Process  |      |      |   |   |  |  |                                 |   |             |              |              |  |  |   |  |
| Supplier   |      |      |   |   |  |  |                                 |   |             |              |              |  |  |   |  |
| Training   |      |      |   |   |  |  |                                 |   |             |              |              |  |  |   |  |
| Unapproved   |      |      |   |   |  |  |                                 |   |             |              |              |  |  |   |  |
| FAULT CATEGORY   |      |      |   |   |  |  |                                 |   |             |              |              |  |  |   |  |
| <b>Landing Gear</b><br><input type="checkbox"/> Bending<br><input type="checkbox"/> Centre Not Concentric to O/S<br><input type="checkbox"/> Cracks<br><input type="checkbox"/> Crushed/Crimped.<br><input type="checkbox"/> Cuffs<br><input type="checkbox"/> Heat Treat<br><input type="checkbox"/> Inspection Strip in Tube<br><input type="checkbox"/> Ripples in Bend<br><input type="checkbox"/> Torque Waves in Extrusion<br><input type="checkbox"/> Turning Sequence<br><input type="checkbox"/> Wave/Twist in Tube |      |      |   | <b>General</b><br><input type="checkbox"/> Bend<br><input type="checkbox"/> BOM/Route<br><input type="checkbox"/> Broken/Damaged<br><input type="checkbox"/> Burrs<br><input type="checkbox"/> Contamination<br><input type="checkbox"/> Countersink<br><input type="checkbox"/> Cut Too Short<br><input type="checkbox"/> Drill Holes<br><input type="checkbox"/> Drawing<br><input type="checkbox"/> Finish<br><input type="checkbox"/> Folio |  |  |                                 | <input type="checkbox"/> Grain<br><input type="checkbox"/> Hardware<br><input type="checkbox"/> Inspection Incomplete<br><input type="checkbox"/> Instructions Incomplete/Unclear<br><input type="checkbox"/> Maintenance<br><input type="checkbox"/> Mislabeled<br><input type="checkbox"/> Misread<br><input type="checkbox"/> Offset<br><input type="checkbox"/> Out of Calibration<br><input type="checkbox"/> Out of Sequence<br><input type="checkbox"/> Outside Dimensions |             |              |              | <input type="checkbox"/> Ovalized<br><input type="checkbox"/> Over/Under tolerance<br><input type="checkbox"/> Part Incorrect<br><input type="checkbox"/> Part Lost/Missing<br><input type="checkbox"/> Part Moved<br><input type="checkbox"/> Positioned Wrong<br><input type="checkbox"/> Power Loss/Surge |  | <input type="checkbox"/> Pressure/Forced<br><input type="checkbox"/> Temperature/Cure<br><input type="checkbox"/> Weld<br><input type="checkbox"/> Wrong Stock Pulled |  |

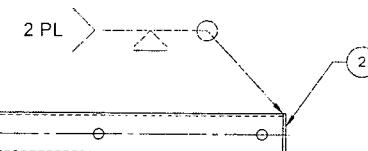
| ITEM | QTY | P/N       | DESCRIPTION   |
|------|-----|-----------|---------------|
|      | 1   | D3021-041 | TUBE ASSEMBLY |
| 1    | 1   | D3021-1   | TUBE          |
| 2    | 2   | D3017-11  | END CAP       |



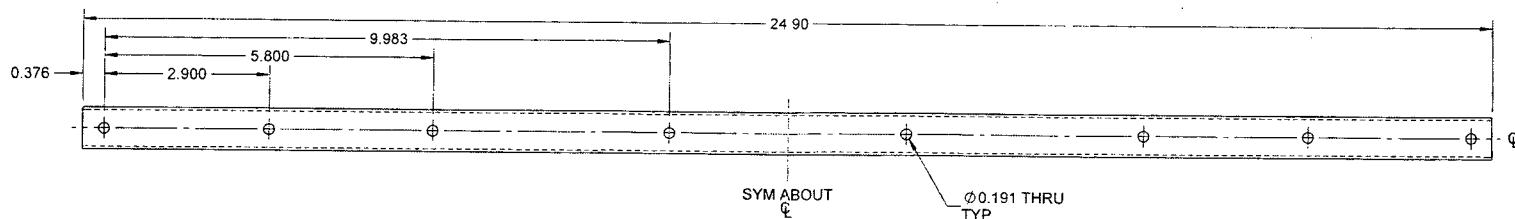
UNCP  
S

99327 MCJ

13-04-08



### D3021-041 TUBE ASSEMBLY



### D3021-1 TUBE

#### NOTES:

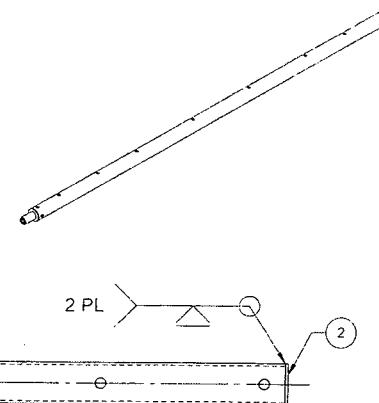
- 1) MATERIAL -041: N/A
  - 1: AISI 4130N SEAMLESS STEEL TUBING, Ø 0.750 X 0.049 WALL  
PER MIL-T-6736 OR AMS 6371/6360/6361/6362/6373/6374  
REF M4130NT0.750W.049
- 2) FINISH: POWDER COAT GREY SANDTEX (4.3.5.6) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3021-041" AND B/N "BXXXXX"  
PER DART QSI 044 6.1 (FINE POINT MARKER)
- 7) WEIGHT: 0.77 lbs

RELEASED  
2012-07-09  
4P PER ECR 12-616

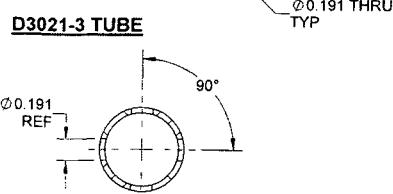
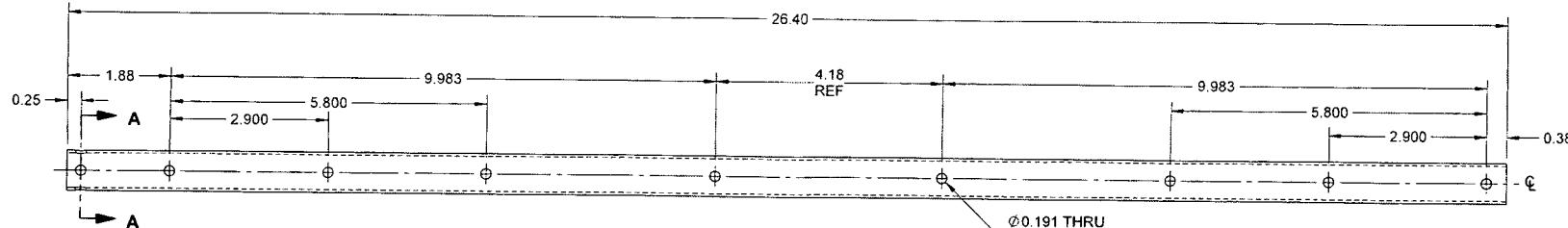
|            |                           |  |              |
|------------|---------------------------|--|--------------|
| B          | REFORMAT, ADDED -043 & -3 | AJS  | 12.06.12     |
| A          | NEW ISSUE                 | CP   | 01.05.18     |
| REV.       | DESCRIPTION               |  |              |
| DESIGN     | CP                        | DART AEROSPACE LTD   |              |
| DRAWN      | AJS                       | HAWKESBURY, ONTARIO, CANADA  |              |
| CHECKED    | 4P                        | DRAWING NO.  | REV. B       |
| MFG. APPR. | 4P                        | D3021  | SHEET 1 OF 2 |
| APPROVED   | 4P                        | TITLE  | SCALE        |
| DE APPR.   | 4P                        | TUBE ASSEMBLY  | NTS          |
| DATE       | 12.06.12                  | COPYRIGHT © 2012 BY DART AEROSPACE LTD<br>THIS DOCUMENT CONTAINS TRADE SECRET INFORMATION WHICH MAY NOT BE<br>NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT<br>WRITTEN PERMISSION FROM DART AEROSPACE LTD |              |

99327

| ITEM | QTY | P/N       | DESCRIPTION       |
|------|-----|-----------|-------------------|
|      | X   | D3021-043 | TUBE ASSEMBLY     |
| 1    | 1   | D3021-3   | TUBE              |
| 2    | 1   | D3017-11  | END CAP           |
| 3    | 1   | D4697-041 | ARMREST STUD ASSY |



D3021-043 TUBE ASSEMBLY



SECTION A-A  
SCALE 12X  
RELEASED  
2012-07-09  
GP

NOTES:  
 1) MATERIAL -043: N/A  
   -3: AISI 4130N SEAMLESS STEEL TUBING, Ø0.750 X 0.049 WALL  
   PER MIL-T-6736 OR AMS 6371/6360/6361/6362/6373/6374  
   REF M4130NT0.750W.049  
 2) FINISH: POWDER COAT GREY SANTEX (4.3.5.6) PER DART QSI 005 4.3  
 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED  
 4) UNITS: INCHES UNLESS OTHERWISE NOTED  
 5) BREAK SHARP EDGES: N/A  
 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3021-043" AND B/N "BXXXXX"  
   PER DART QSI 044 6.1 (FINE POINT MARKER)  
 7) WEIGHT: 0.88 lbs

|            |           |  |
|------------|-----------|--|
| DESIGN     | AJS       | DART AEROSPACE LTD   |
| DRAWN      | AJS       | HAWKESBURY, ONTARIO, CANADA  |
| CHECKED    | <i>RP</i> | REV. B   |
| MFG. APPR. | <i>DS</i> | DRAWING NO.<br>D3021   |
| APPROVED   | <i>WJ</i> | SCALE<br>NTS   |
| DE APPR.   | <i>WJ</i> | TITLE<br>TUBE ASSEMBLY   |
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